

Fig. 1. Growth rates of lactate utilisers at various pH values.

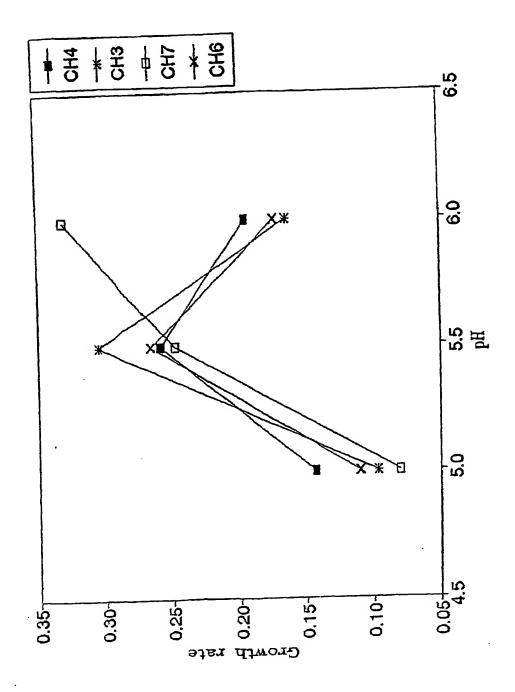


Fig. 2. Growth rates  $(h^{-1})$  of the lactate utilizing isolates, on glucose medium at various pH values.

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M. elsdenii CH7 M. elsdenii CH4 M. elsdenii ATCC 17752 M. elsdenii ATCC 25940 Megasphaera cerevisiae Selenomonas ruminantium Quinella ovalis Lactobacillus vitulinus Synergistes jonesii Clostridium acetobutylicum Eubacterium cellulosolvens Eubacterium uniformis Clostridium polysaccharolyticum Lactobacillus ruminis Streptococcus bovis Eubacterium limosum

Methanosarcina barkeri Methanomicrobium mobile Methanobrevibacter ruminantium Methanobacterium formicicum

Fibrobacter succinogenes
Prevotella ruminicola
Wolinella succinogenes

Escherichia coli

0.10

Acinetobacter calcoaceticus

Fig. 3